

Japanese Utility Model Kokai No. 2-138620

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Applicant: Kii Sangyo KK, Osaka

Claim:

A making-up applicator characterized in that the applicator comprises a plurality of cylindrical caps 15 internally and disengageably housing respective applicator end portions 2, and rod-like handles 1, each of said handles 1 is provided with a recessed portion 4 in its front end face while forming a notch 5 in the portion opposite the inside wall of said recessed portion 4, pressurizing portions 7 protruded in both the outsides of an approximately U-shaped elastic connection 6 are positioned in said notch 5 thereby projecting outwardly, in which state said elastic connection 6 is disposed in said recessed portion 4 thereby protruding the approximately U-shaped opening side from the opening of said recessed portion 4, engaging portions 10 are provided at the outsides of both the approximately U-shaped ends of said elastic connection 6, an applicating part 3 is formed at the end of the applicator end portion 2 disengageably housed within each cylindrical cap 15, the rear end of the cap 15 is provided with a recessed portion 12 where the U-shaped opening side of said elastic connection 6 can be inserted whereby engaging claws 13 engageable with the engaging portions 10 in the outsides of both the approximately U-shaped ends, are formed in the inside wall face of the recessed portion 12, and the rod-like handle 1 is pulled in the state where the portions 10 to be engaged are engaged with the engaging claws 13 of the applicator end 2 housing

an optional cylindrical cap 15 of the plural cylindrical caps 15 whereby the applicator end portion 2 is withdrawn from the cylindrical cap 15 so as to be secured to the rod-like handle 1.

#### EMBODIMENT

Fig. 1 shows a making-up plastic applicator according to one embodiment of the invention. In the drawings the reference numeral 1 designates a rod-like handle, and 2 a powder tip mounted to the end of the handle 1, and its end is formed with an applicating part 3 made of sponge. As shown in Fig. 2, said handle 1 is provided in its end face with a recessed portion 4, and notches 5 are formed in the portions opposite the side walls in the opening side of said recessed portion 4. Then, within the recessed portion 4 is fit inserted the rear end curved side of an approximately U-shaped elastic connection 6. Said connection 6 is disposed in the recessed portion 4 in the state where the button-like pressurizing portion 7 protruded at the center of both the side faces is posited in the notches 5 of the handle 1 and the ends of said pressurizing portion 7 are protruded from the side faces of the handle 1. The inner face side of the rear end curved part of the connection 6 is engaged with a shaft 8 fixed to the wall face of the recessed portion 4, so that both the ends are stopped from drawing from the recessed portion 4. Further, the end 9 of the connection portion 6 is formed in an arrow tip shape gradually tapered in entirety, and shoulders 10 for engagement are formed between said end 9 and said pressurizing portion 7. The reference numeral 11 shows a cap-like part to be connected, being arranged at the rear end of the powder tip 2, recessed portion 12 capable of inserting the end 9 of the

connection 6 is formed in its rear end face, and projections 13 engageable with the recessed shoulders 10 are protruded in the inner peripheral side of the opening flange of said recessed portion 12. Then, the end side of the outer peripheral face thereof is formed in thin diameter and projections 14 for cap mounting are provided in the end flange thereof. Said power tip 2 causes the portion 11 to be connected to be engaged in outside fitting with the connection 6 whereby it is mounted to the end of the handle 1. The reference 15 designates a cap (see Fig. 5) for covering the powder tip 2, and it is mounted to the power tip 2 while the projections 16 disposed in the inner peripheral face in the opening side are engaged with the projections 14 of the portion 11 to be connected. In addition, besides said powder tip 2 there are prepared a plurality of tips such as lipstick brush and mascara application tip, and as shown in Fig. 3 they are accommodated respectively in the caps 15 arranged in a row (in such a manner as can be easily separated by cutting the connection parts).

Being thus structured, at non-use the plural tips accommodated in the caps 15 in a row and the handles 1 are kept separately. And at use, firstly one cap 15 is removed from among the caps 15 in a row. Secondly, as shown in Fig. 4, the connection 6 of the handle 1 is pressed against the portion 11 to be connected of the powder tip 2 protruding from the rear end opening part of the cap 15 to permit said portion 11 to be engaged with the connection 6 thereby making the state as shown in Fig. 5. In that case, since it is adapted such that the inclined outer face of the end 9 tapered abuts against the opening flange of said recessed portion 12 so that both the ends 9 of the connection 6 may be deformed inwardly, said ends 9 can be easily inserted into the recessed portion 12.

Then, if the recessed shoulders 10 of the connection 6 engage the protrusions 13 of the portion to be connected, the ends 9 of said connection 9 recover their original state, and by the elasticity thereof the engaging state of said recessed shoulders 10 and said protrusions 13 is retained. Thirdly, in the state shown in Fig. 5 the cap 15 is pulled to be removed from the handle 1 thereby to make the state as shown in Fig. 1. Further, cosmetic powder is adhered to the application part 3 of said powder tip 2 whereby the powder is applied to the face for making up. Furthermore, in the case of different cosmetics, as shown in Fig. 6, the pressurizing parts 7 projected from both the sides at the end of said handle 1 are pressed inwardly of the handle 1 thereby pulling the powder tip 2 whereby the powder tip 2 is removed from the handle 1. Then, a tip for applying other cosmetics is mounted, in the same way as above, to the end part of the handle 1, and by using said cosmetics a subsequent making-up is carried out. After use, the tip is kept being stored in the cap 15 or abandoned together with the cap 15.

Thus, according to the present making-up applicator, it will suffice to provide a single handle 1 relative to a plurality of tips, so that the applicator is not voluminous and it is convenient for custody and carrying. Moreover, the tips can be easily mounted or dismounted so that the present applicator is very convenient for use.

Additionally, in the above embodiment the caps 15 are in connected series so as to be separated. However, the invention is not limited to said embodiment in any way, and the caps may be connected in a unseparable row or structured in separate bodies from the beginning. Further, it may be all right that

a cosmetic composition for one use is adhered in advance to the applying part of a tip and said tip is used as disposable one.

Brief Description of the Drawings:

Fig. 1 is a perspective view of one embodiment of the invention;

Fig. 2 is a vertical, sectional view showing the essential parts of the embodiment;

Fig. 3 is a perspective view of the caps connected in a row;

Fig. 4 and Fig. 5 are respectively perspective views showing the state where a tip is mounted to a handle; and

Fig. 6 is a perspective view showing the state where a tip is removed from a handle.

In the drawings:

- 1...Handle
- 2...Power tip
- 3...Applying part
- 4, 12...Recessed portions
- 5...Notches
- 6...Connection part
- 7...Pressurizing parts
- 8...Shaft
- 9...End parts
- 10...Recessed shoulders
- 13...Projections

## ⑫ 公開実用新案公報 (U)

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審査請求 未請求 請求項の数 1 (全2頁)

⑮考案の名称 化粧用塗布具

⑯実 願 平1-48028

⑰出 願 平1(1989)4月24日

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## ㉑実用新案登録請求の範囲

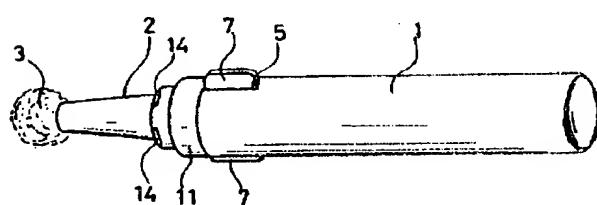
塗布具先端部2を収脱自在に内蔵する複数の筒状キヤップ15と棒状把持部1を備え、上記棒状把持部1にはその前端面に凹部4を設けてその凹部4の内壁の相対峙する部分に切欠き部5を形成し、略U字状の弹性連結部6の両外側部に突設された押圧部7をそれぞれ上記切欠き部5内に位置させ外方に突出させた状態で上記弹性連結部6を上記凹部4内に配設して略U字の開放側を凹部4の開口から突出させ、上記弹性連結部6の略U字の両先端外側に被係合部10を設け、上記複数の筒状キヤップ15内にそれぞれ収脱自在に内蔵された塗布具先端部2には、先端に塗布部3を形成するとともに、後端に上記弹性連結部6のU字の開放側が嵌挿可能な凹部12を設けてその凹部12の内壁面に、上記略U字の両先端外側の被係合部10と係合可能な係合爪13を形成し、複数の

筒状キヤップ15のうち任意の筒状キヤップ15内蔵の塗布具先端部2の係合爪13を上記被係合部10と係合させた状態で棒状把持部1を引つ張ることにより筒状キヤップ15から塗布具先端部2を引き出し棒状把持部1に固着できるようにしたことを特徴とする化粧用塗布具。

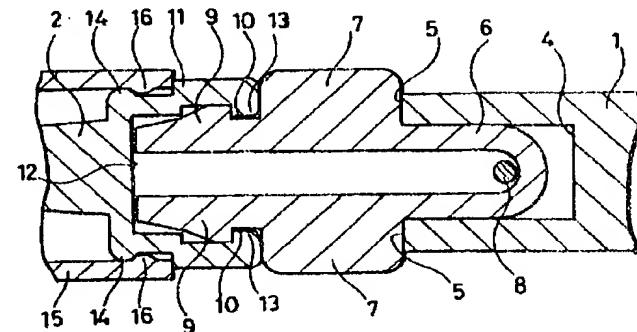
## 図面の簡単な説明

第1図はこの考案の一実施例の斜視図、第2図はその要部を示す縦断面図、第3図は連結状態のキヤップを示す斜視図、第4図および第5図は把持部にチップを取り付ける状態を示す斜視図、第6図は把持部からチップを取り外す状態を示す斜視図である。

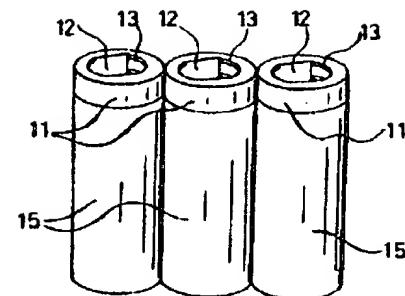
1……把持部、2……パウダーチップ、3……塗布部、4, 12……凹部、5……切欠き部、6……連結部、7……押圧部、8……軸体、9……先端部、10……凹段部、13……突条。



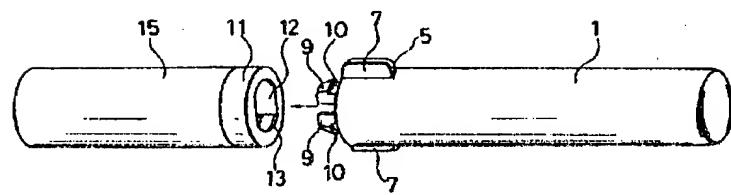
第1図



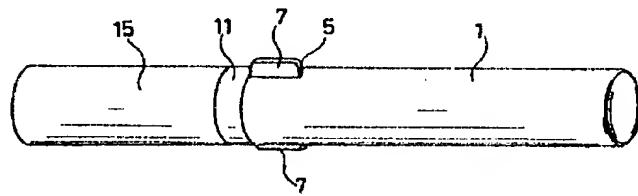
第2図



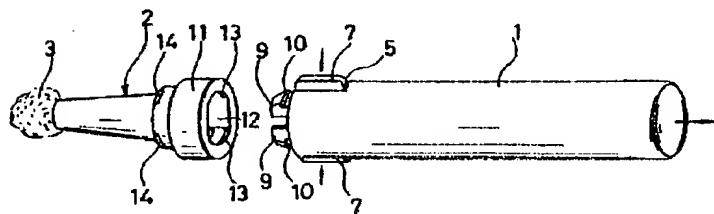
第3図



第4図



第5図



第6図